## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



#### Customer

Product line		Phase	Premium Efficiency		Product code :	12408382		
		Phase			Catalog # :	25018XT3H	447T	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torc Breakdown torqu Insulation class Service factor Moment of inertia Design	ie	: 447T : 250 HP : 4 : 60 Hz : 575 V : 227 A : 1590 A : 7.0x(Co : 72.2 A : 1784 rpn : 0.89 % : 736 ft.lb : 250 % : 250 % : F : 1.15 : 89.6 sq. : B	m	Temper Duty cy Ambien Altitude Protect Cooling Mountin Rotatio Noise k Starting	it temperature ion degree g method ng n <sup>1</sup>	: 36s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a.: : IP55 : IC411 - TE : F-1 : Both (CW : 82.0 dB(A : Direct On : 2591 lb	40°C s.l. EFC and CCW)	
Output	50%	75%	100%	Foundatio	on loads			
Efficiency (%) Power Factor	95.4 0.72	96.2 0.81	96.2 0.85	Max. trac Max. com		: 3609 lb : 6200 lb		
Bearing type		:	Drive end 6319 C3		Non drive end 6316 C3			
Sealing Lubrication interv Lubricant amoun Lubricant type Notes			Viton Oil Seal 7038 h 45 g Ma	obil Polyrex	Viton Seal 8569 h 34 g EM			
Lubrication interv Lubricant amoun Lubricant type Notes Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and ca ed. lotor from th Im and with weight subje ocess.	e shaft end. tolerance of	7038 h 45 g M vious one, which +3dB(A).	These ar	8569 h 34 g			
Lubrication interv Lubricant amoun Lubricant type	aces and ca ed. lotor from th Im and with weight subje ocess.	e shaft end. tolerance of ct to change	7038 h 45 g M vious one, which +3dB(A).	These ar power su	8569 h 34 g EM			
Lubrication interv Lubricant amoun Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	aces and ca ed. lotor from th Im and with weight subje ocess.	e shaft end. tolerance of ct to change	7038 h 45 g M vious one, which +3dB(A). s after	These ar power su	8569 h 34 g EM	e tolerances stipu Checked	lated in NEMA	
Lubrication interv Lubricant amoun Lubricant type Notes Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	aces and ca ed. lotor from th Im and with weight subje ocess.	e shaft end. tolerance of ct to change Change	7038 h 45 g M vious one, which +3dB(A). s after	These ar power su	8569 h 34 g EM	e tolerances stipu	lated in NEMA	

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

### DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

1		Thermal protection			
ID	Application	Туре	Quantity		Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
Rev.	Chanc	les Summary	Performed	Checked	Date
	Chang	,			2410
erformed by					
Checked by				Page	Revision

Subject to change without notice

#### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: NEMA Premium Efficiency Three	- Product code :	12408382	
	Phase	Catalog # :	25018XT3H4	147T
	TORQUE AND CURRENT N			
3				
2.7				9
2.4				8
2.1	•			7
1.8				6
(nd) and 1.5 buo H				Current (pu)
1.2			•	4
0.9				3
0.6				2
0.3				
0				
0 10	20 30 40 50 Percent of synchrono Torque - 1 p.u. = 736 ft.lb I Curre		80 90	100
erformance	: 575 V 60 Hz 4P			
ated current RC ated torque ocked rotor torque reakdown torque ated speed	: 227 A Mome : 7.0 Duty : 736 ft.lb Insula : 250 % Servi	ation class ce factor erature rise	: 89.6 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
ocked rotor time	: 36s (cold) 20s (hot)	,		
Rev.	Changes Summary	Performed	Checked	Date
Performed by		I	Page	Revision

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

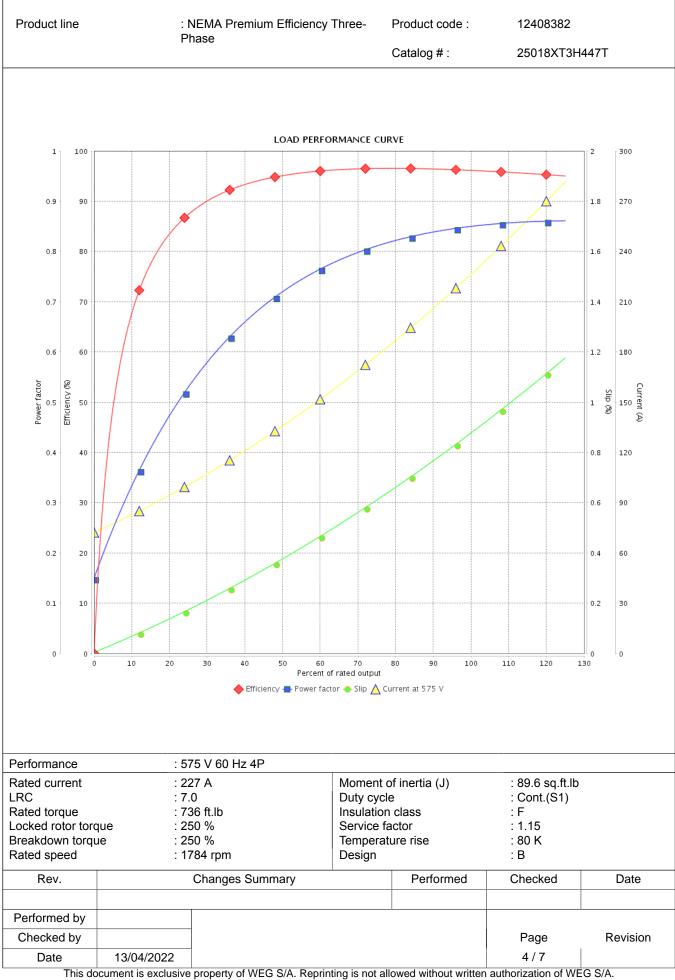
### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



Customer



Subject to change without notice

# THERMAL LIMIT CURVE

:

Three Phase Induction Motor - Squirrel Cage

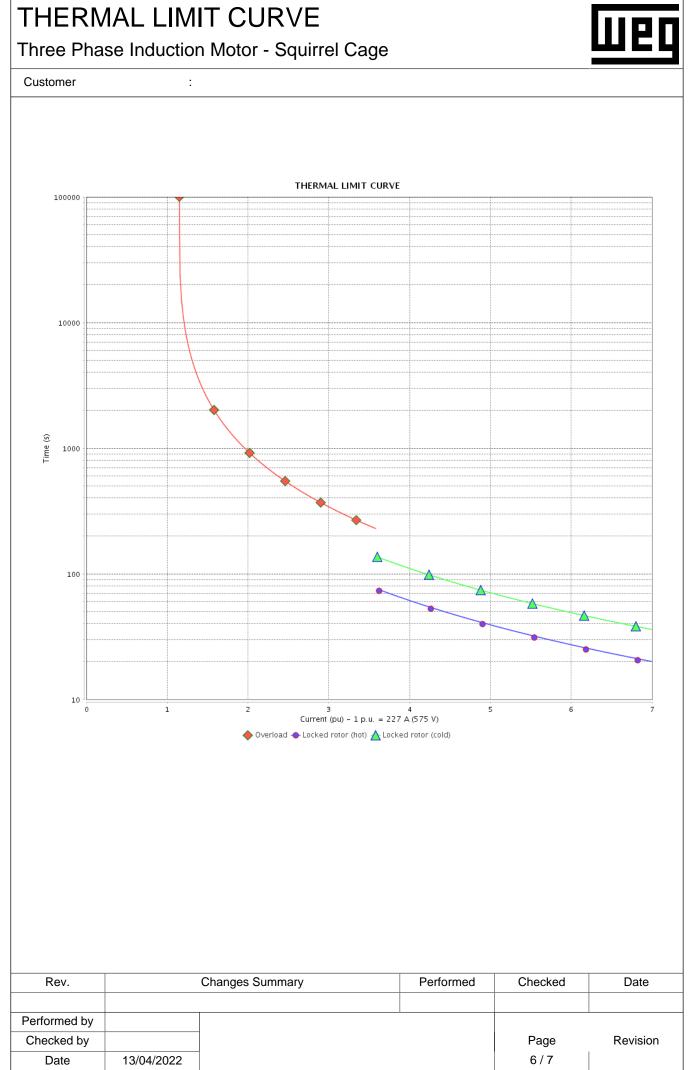
#### Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	12408382
	Phase	Catalog # :	25018XT3H447T

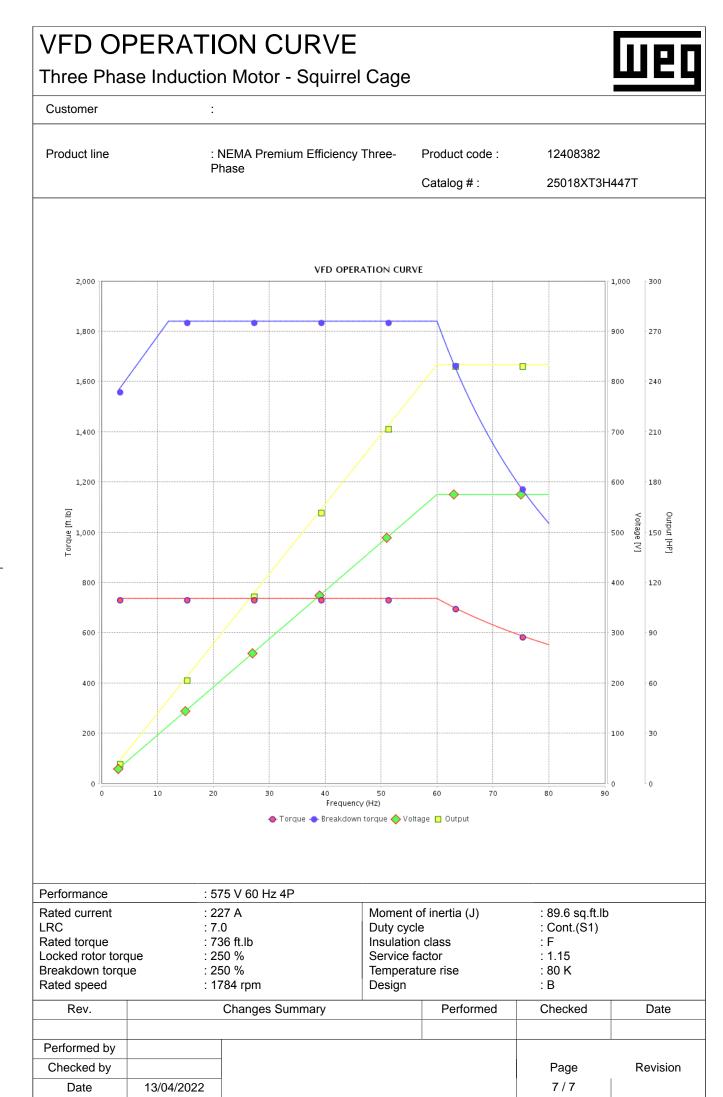
Шед

Performance	: 57	75 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		27 A 0 36 ft.lb 50 % 50 % 784 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 89.6 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.	Rev. Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date					5/7	

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

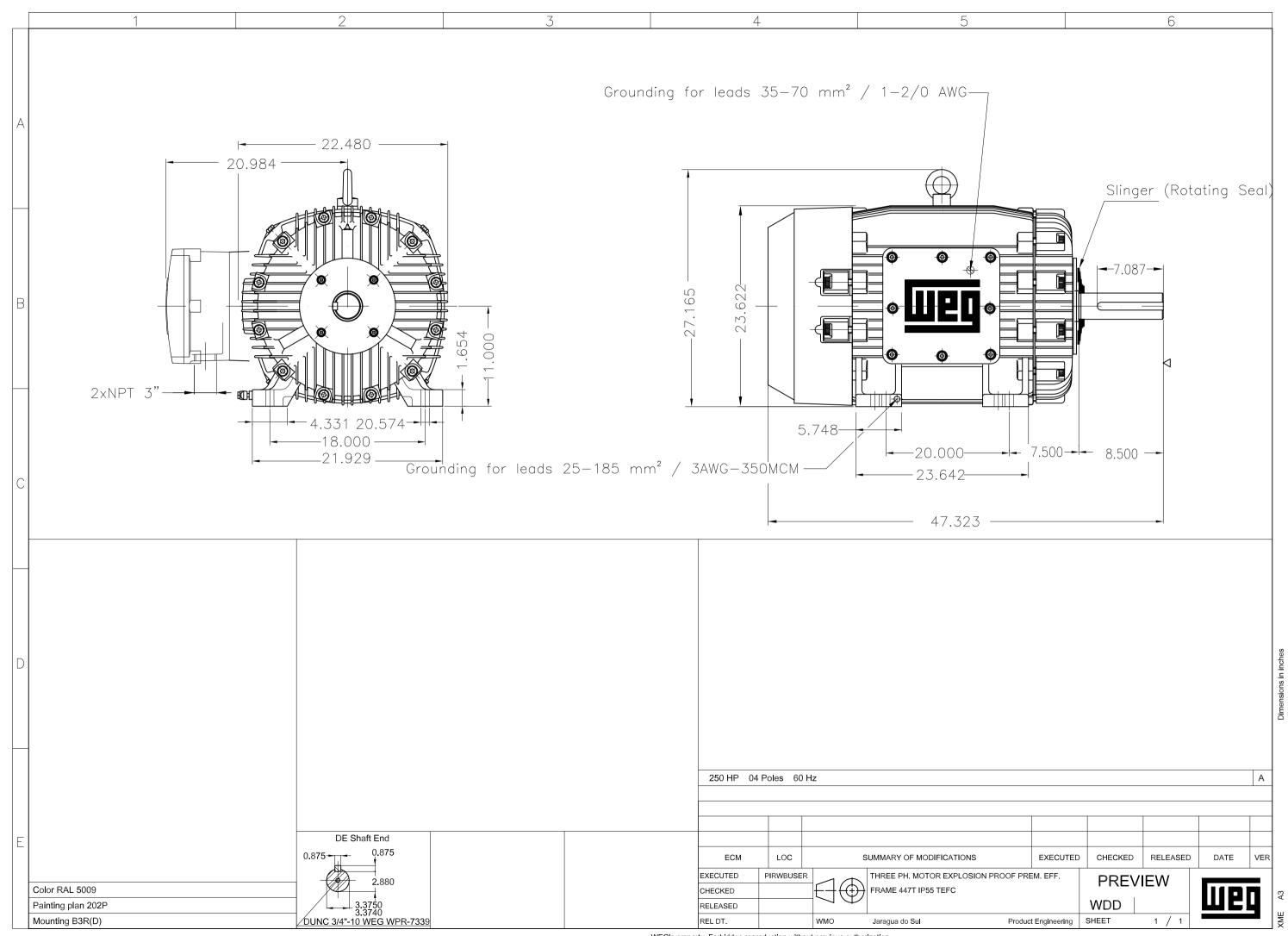


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice



WEG's property. Forbidden reproduction without previous authorization.

	CCO29A Execution Inverter Duty Motor Severe Duty						(the second seco			A/UL: Class A: Class II - CSA: Cla EXPL	TEMP CODE   – Div. 1 - Div. 1 – ass I – Zo .OSION PRO M VFD 1000:	T3C – Groups C a Groups F and ne 1 – IIB OF MOTOR IVT, 2:1CT, 1.0SF,	Ind D G T3C, AMB 40°C.
11.7	PH 3	FR 447T		HP(I	(W) 250(1	85)		Hz 60			_T6 _	J4 J5	
HX250504NPBB4471 MADE IN BRAZIL 12408382	۷ 575				A 227		RPM 17	782			ΥΥ	J2 J3	
4NPE 083 083	NEMA N	OM. EFF. 96	.2%			INS CL F	- AT	80 K IP5	5		γç	2 L3	
50504NF E IN 1 2 4 08:	PF 0.85	5	DU	ITY (	CONT.			CODE H		Δ		5V LS	
HX25 MAD	ENCL. T	EFC	S	F 1	.15	SFA 26	51			→ 6319-C3	3(45a)	MOBIL	POLYREX EM
	AMB 40	D°C	DES	В					d (m) 1	→ 6316-C3	( V/		7038 h
									ALT	1000	m.a.s.l	2674	Lbs